

$\pi_2(2005)$ 

$$I^G(J^{PC}) = 1^-(2^-+)$$

NODE=M239

OMITTED FROM SUMMARY TABLE

 $\pi_2(2005)$  MASS

NODE=M239M

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
<b>1963<sup>+17</sup><sub>-27</sub> OUR AVERAGE</b>				
1962 <sup>+17</sup> <sub>-29</sub>	46M	<sup>1</sup> AGHASYAN	18B COMP	190 $\pi^- p \rightarrow \pi^- \pi^+ \pi^- p$
1974 ± 14 ± 83	145k	LU	05 B852	18 $\pi^- p \rightarrow \omega \pi^- \pi^0 p$
• • • We do not use the following data for averages, fits, limits, etc. • • •				
2005 ± 15		ANISOVICH	01F SPEC	2.0 $\bar{p} p \rightarrow 3\pi^0, \pi^0 \eta, \pi^0 \eta'$
<sup>1</sup> Statistical uncertainty negligible.				

NODE=M239M

NODE=M239M;LINKAGE=A

 $\pi_2(2005)$  WIDTH

NODE=M239W

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
<b>370<sup>+16</sup><sub>-90</sub> OUR AVERAGE</b>				
371 <sup>+16</sup> <sub>-120</sub>	46M	<sup>1</sup> AGHASYAN	18B COMP	190 $\pi^- p \rightarrow \pi^- \pi^+ \pi^- p$
341 ± 61 ± 139	145k	LU	05 B852	18 $\pi^- p \rightarrow \omega \pi^- \pi^0 p$
• • • We do not use the following data for averages, fits, limits, etc. • • •				
200 ± 40		ANISOVICH	01F SPEC	2.0 $\bar{p} p \rightarrow 3\pi^0, \pi^0 \eta, \pi^0 \eta'$
<sup>1</sup> Statistical uncertainty negligible.				

NODE=M239W

NODE=M239W;LINKAGE=A

 $\pi_2(2005)$  DECAY MODES

NODE=M239215;NODE=M239

Mode	Fraction ( $\Gamma_i/\Gamma$ )
$\Gamma_1$ $\pi^- \pi^+ \pi^-$	seen
$\Gamma_2$ $\omega \pi^0 \pi^-$	seen

DESIG=1

DESIG=2

 $\pi_2(2005)$  BRANCHING RATIOS

NODE=M239220

$\Gamma(\pi^- \pi^+ \pi^-)/\Gamma_{\text{total}}$	$\Gamma_1/\Gamma$		
VALUE	DOCUMENT ID	TECN	COMMENT
seen	AGHASYAN	18B COMP	190 $\pi^- p \rightarrow \pi^- \pi^+ \pi^- p$
$\Gamma(\omega \pi^0 \pi^-)/\Gamma_{\text{total}}$	$\Gamma_2/\Gamma$		
VALUE	DOCUMENT ID	TECN	COMMENT
seen	LU	05 B852	18 $\pi^- p \rightarrow \omega \pi^- \pi^0 p$

NODE=M239R00  
NODE=M239R00NODE=M239R01  
NODE=M239R01 $\pi_2(2005)$  REFERENCES

NODE=M239

AGHASYAN	18B	PR D98 092003	M. Aghasyan <i>et al.</i>	(COMPASS Collab.)	REFID=59471
LU	05	PRL 94 032002	M. Lu <i>et al.</i>	(BNL E852 Collab.)	REFID=50459
ANISOVICH	01F	PL B517 261	A.V. Anisovich <i>et al.</i>		REFID=48352